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## PATENT ABSTRACTS OF JAPAN

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<p>(30) Priority:</p> <p>(43) Date of application publication: <b>18.10.96</b></p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: <b>TOSHIBA CORP NIPPON TELEGR &amp; TE &lt;NTT&gt;</b></p> <p>(72) Inventor: <b>MATSUZAKI NOBUO ANDO MASAYUKI TATE KAZUYUKI</b></p> <p>(74) Representative:</p>
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**(54) VOICE  
COMMUNICATION  
EQUIPMENT PROVIDED  
WITH ACOUSTIC ECHO  
CANCELLER**

(57) Abstract:

**PURPOSE:** To effectively absorb the time difference between the input timing of a reception signal to an acoustic echo canceller and the input timing of the acoustic echo without complicated signal processing neither a large-scale constitution.

**CONSTITUTION:** A delay circuit 443 is provided in the reception signal input line to an adaptive filter 441 in an acoustic echo canceller 44. The reception signal is inputted to the adaptive filter 441 after being delayed by the time corresponding to the total value  $D1+D2$  where  $D1$  is a first transmission delay extent generated in the reception signal path passing a radio channel from an adaptive

difference PCM transcoder 41 of a master machine BS to a speaker SP of a slave machine PS and D2 is a second transmission delay extent generated in the transmission signal path passing a radio channel from a microphone MIC of the slave machine PS to an acoustic echo canceller 44 of the master machine BS.

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